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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/686,760	10/12/2000	Toshikazu Nakajima	Q61105	4804
7590 09/07/2004			EXAMINER	
Sughrue Mion	Zinn Macpeak & Seas	AHN, SAM K		
2100 Pennsylvania Avenue N W Washington, DC 20037-3213			ART UNIT	PAPER NUMBER
washington, D	20037 3213		2637	
			DATE MAILED: 09/07/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

,	Application No.	Applicant(s)				
	09/686,760	NAKAJIMA, TOSHIKAZU				
Office Action Summary	Examiner	Art Unit				
	Sam K. Ahn	2637				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on 13 Au	<u>ugust 2004</u> .					
2a) ☐ This action is <b>FINAL</b> . 2b) ☐ This	action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) ⊠ Claim(s) 1,3,4,6,7,9,10 and 12-24 is/are pendir 4a) Of the above claim(s) is/are withdraw 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) ⊠ Claim(s) 1,3,4,6,7,9,10 and 12-24 is/are object 8) □ Claim(s) are subject to restriction and/or	vn from consideration. ed to.					
Application Papers						
9) The specification is objected to by the Examine	r.					
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	e Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
<ul> <li>12) Acknowledgment is made of a claim for foreign</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents</li> <li>2. Certified copies of the priority documents</li> <li>3. Copies of the certified copies of the priori application from the International Bureau</li> <li>* See the attached detailed Office action for a list of the priori application for a list of the priority documents</li> </ul>	s have been received. s have been received in Applicat ity documents have been receiv ı (PCT Rule 17.2(a)).	tion No ed in this National Stage				
Attachment(s)						
1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)						
Notice of Draftsperson's Patent Drawing Review (PTO-948)     Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)     Paper No(s)/Mail Date		Patent Application (PTO-152)				

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## **DETAILED ACTION**

# Claim Objections

- 1. Claims 1,3,4,6,7,9,10 and 12-24 are objected to because of the following informalities:
  - a. In claim 1, line 4, delete "data" and insert "data component".
  - b. In claim 1, line 8, delete "a transmission" and insert "the transmission".
  - c. In claim 1, line 8, delete "voltage" and insert "voltage value".
  - d. In claim 1, line 9, delete "the transmission output signal" and insert "a transmission output signal of the transmitter assembly".
  - e. In claim 3, line 5, delete "content" and insert "the content".
  - f. In claim 4, replace lines 4-6 with "canceling a distortion component caused in a transmission signal and a correction data component by a pre-distortion type linearizer; preliminarily storing said correction data component by a first storage device;" to be consistent with the apparatus claim.
  - g. In claim 4, line 7, delete "storage means" and insert "storage device".
  - h. In claim 4, line 10, delete "a transmission" and insert "said transmission".
  - i. In claim 4, line 10, delete "voltage" and insert "voltage value".
  - j. In claim 4, line 11, delete "transmission output signal" and insert "a transmission output signal of the transmitter assembly".
  - k. In claim 6, line 2, delete "means" and insert "device".
  - In claim 6, line 3 delete "said second storage means" and insert "a second storage device".

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- m. In claim 7, line 2, delete "a correction data component" and insert "said instantaneous power, said correction data component".
- n. In claim 7, line 3, delete "are stored in said first storage means" and insert "is stored in said first storage device".
- o. In claim 10, line 2, delete "the address" and insert "an address".
- p. In claim 10, line 2, delete "the correction data component" and insert "the instantaneous power, the correction data component".
- g. In claim 10, line 3, delete "are stored" and insert "is stored".
- r. In claim 10, line 3, delete "means." and insert "device".
- s. In claim 13, line 14, delete "to output".
- t. In claim 13, line 18, delete "said correction" and insert "and outputting said correction".
- u. In claim 15, line 5, delete "updating content" and insert "updating the content".
- v. In claim 16, line 2, delete "an address" and insert "the address".
- w. In claim 16, line 2, delete "a correction" and insert "said instantaneous power, said correction".
- x. In claim 16, line 3, delete "are stored" and insert "is stored".
- y. In claim 17, line 2, delete "corresponding to an" and insert "corresponding to the".
- z. In claim 17, line 3, delete "a transmission" and insert "the transmission".
- aa. In claim 17, line 3, delete "voltage" and insert "voltage value".
- bb. In claim 17, line 4, delete "of transmission" and insert "of a transmission".

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cc. In claim 17, line 4, delete "signal." and insert "signal of the directional coupling means.".

- dd. In claim 19, line 5, delete "generating means" and insert "generating device".
- ee. In claim 19, line 5, delete "transmission means" and insert "transmission device".
- ff. In claim 19, line 6, delete "dividing RF signal by directional coupling means" and insert "dividing an RF signal by a directional coupling device".
- gg. In claim 19, line 7, delete "address generating means" and insert "an address generating device".
- hh. In claim 19, line 8, delete "power detecting means" and insert "a power detecting device".
- ii. In claim 19, line 9, delete "base band signal to output" and insert "baseband signal to".
- jj. In claim 19, line 10, delete "generating means by power calculating means" and insert "generating device by a power calculating device".
- kk. In claim 19, line 11, delete "storage means" and insert "storage device".
- II. In claim 19, line 12, delete "base band" and insert "baseband".
- mm. In claim 19, line 13, delete "generating means" and insert "generating device".
- nn. In claim 19, line 14, delete "storage means" and insert "storage device".
- oo. In claim 19, line 15, delete "value to" and insert "value of the correction data component to".

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pp. In claim 20, line 2, delete "means" and insert "device".

qq. In claim 21, line 2, delete "storage means" and insert "storage device".

rr. In claim 21, line 3, delete "storage means" and insert "storage device".

- ss. In claim 22, line 2, delete "level and the " and insert "level and the instantaneous power, the".
- tt. In claim 22, line 3, delete "are stored in said first storage means" and insert "is stored in said first storage device".

uu. In claim 22, line 3, delete "an instantaneous" and insert "the instantaneous".

vv. In claim 23, line 4, delete "voltage" and insert "voltage value".

ww. In claim 23, line 4, delete "signal." and insert "signal of the directional coupling device."

Appropriate correction is required.

#### Conclusion

This application is in condition for allowance except for the following formal matters:Claim objections.

Prosecution on the merits is closed in accordance with the practice under *Ex* parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Sam Ahn** whose telephone number is **(571) 272-3044**.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Jay Patel**, can be reached at **(571) 272-2988**.

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### Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

P.O. Box 1450

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or faxed to:

(703) 872-9306

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington. VA., Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Sam K. Ahn 9/2/04

YOUNG T. TSE PRIMARY EXAMINER